

What is claimed is:

1. A method for use in a vehicle comprising:

5 sensing a current position of a trailer relative to the vehicle;

determining a vehicle steering wheel angle;  
determining a predicted position of the trailer based on the current position and the steering wheel angle;  
and

10 displaying within the vehicle the current position and the predicted position of the trailer relative to the vehicle.

2. A method as recited in claim 1 wherein sensing a current position comprises sensing the  
15 current position in response to a camera.

3. A method as recited in claim 1 wherein sensing a current position comprises sensing the current position in response to a reverse aid system.

4. A method as recited in claim 1 wherein  
20 sensing a current position comprises sensing the current position in response to a hitch sensor.

5. A method as recited in claim 1 further comprising applying brake-steer to the trailer to reduce the turning radius of the trailer and vehicle.

25 6. A method as recited in claim 1 further comprising applying brake-steer to the trailer and

vehicle to reduce the turning radius of the trailer and vehicle.

7. A method as recited in claim 1 further comprising applying brake-steer to the vehicle to  
5 reduce the turning radius of the trailer and vehicle.

8. A method as recited in claim 7 wherein applying brake-steer comprises applying at least one brake at a first wheel to reduce a vehicle turning radius.

10 9. A method as recited in claim 7 wherein applying brake-steer comprises applying an increased drive torque to a second wheel relative to a first wheel.

10. A method as recited in claim 7  
15 applying brake-steer comprises increasing a normal load on the vehicle.

11. A method as recited in claim 1 wherein determining a predicted position comprises determining a vehicle trailer interference and  
20 displaying the interference.

12. A method of controlling a vehicle having a trailer comprising:

generating a reverse direction signal corresponding to a reverse direction of the vehicle;  
25 sensing a current position of a trailer relative to the vehicle;

determining a vehicle steering wheel angle;  
determining a predicted position of the  
trailer based on the current position of the trailer  
and the steering wheel angle; and

5 displaying the current position and the  
predicted position within the vehicle in response to  
the reverse direction.

13. A method as recited in claim 12  
wherein sensing a current position comprises sensing  
10 a current position in response to a camera.

14. A method as recited in claim 12  
wherein sensing a current position comprises sensing  
a current position in response to a reverse aid  
system.

15 15. A method as recited in claim 12  
wherein sensing a current position comprises sensing  
a current position in response to a hitch sensor.

16. A method as recited in claim 12 wherein  
generating a reverse direction signal comprises  
20 generating a reverse direction from a shift lever.

17. A method as recited in claim 12  
wherein generating a reverse direction signal  
comprises generating a reverse direction from a push  
25 button.

25 18. A method as recited in claim 12  
wherein generating a reverse direction signal

comprises generating a reverse direction from a transmission controller.

19. A method as recited in claim 12 wherein generating a reverse direction signal  
5 comprises generating a reverse direction from a wheel speed sensor.

20. A method as recited in claim 12 wherein generating a vehicle steering angle comprises generating a steering angle in response to a steering  
10 angle sensor.

21. A system for a vehicle coupled to a trailer comprising:

a position sensor generating a position signal corresponding to a trailer position signal;  
15 means to generate a reverse direction signal corresponding to a reverse direction of the vehicle;

a display;

a steering wheel angle sensor; and

a controller coupled to the trailer  
20 position signal display, and steering wheel angle sensor, said controller displaying a predicted path of the trailer in response to the position signal.

22. A system as recited in claim 21 wherein means to generate a reverse direction signal  
25 comprises a shift lever.

23. A system as recited in claim 21 wherein means to generate a reverse direction signal comprises a push button.

24. A system as recited in claim 21 wherein means to generate a reverse direction signal comprises a transmission controller.

25. A system as recited in claim 21 wherein means to generate a reverse direction signal comprises a wheel speed sensor.

26. A system as recited in claim 21 wherein the position sensor comprises a hitch sensor.

27. A system as recited in claim 21 wherein the position sensor comprises a reverse aid sensor.

28. A system as recited in claim 21 wherein the reverse aid sensor comprises an ultrasonic sensor.

29. A system as recited in claim 21 wherein the position sensor comprises a camera.

30. A system as recited in claim 21 further comprising input device said controller.